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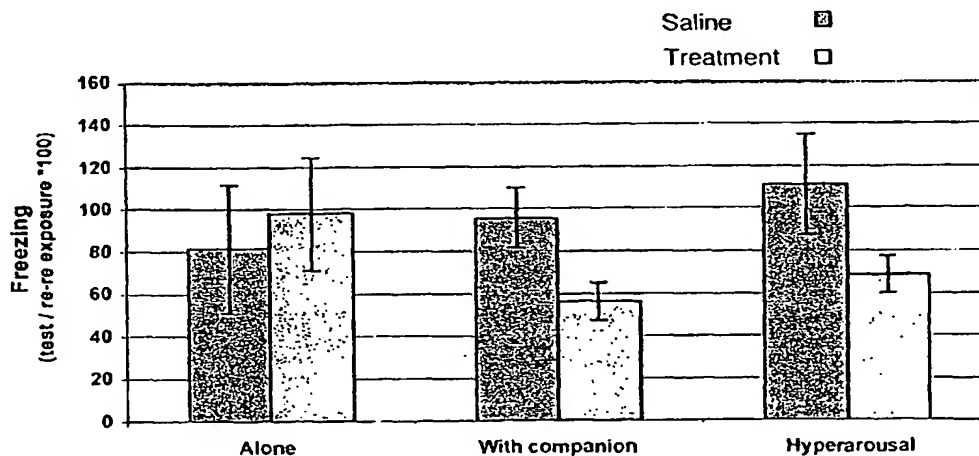
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(54) Title: ANIMAL EXHIBITING PTSD LIKE BEHAVIOR, METHODS FOR PRODUCTION OF SAME AND METHODS FOR SCREENING A CANDIDATE COMPOUND FOR PTSD TREATMENT EMPLOYING SAME



(57) Abstract: The invention relates to production of maladapted animals characterized by PTSD like behavior from a population by behavioral conditioning. The method includes determining a baseline behavioral level for individual under defined conditions; exposing each individual animal to trauma event and further determining a posttraumatic event behavioral level; re-exposing each individual to a trauma related event and further determining an individual post trauma related event behavioral level and evaluating the individual post trauma related event behavioral level for each individual animal with respect to a baseline value according to a predetermined rule in order to determine which individuals are maladapted animals characterized by PTSD like behavior. Use of the method for assaying efficacy of PTSD treatment is within the scope of the invention, as are animals produced by claimed methods. Once the method is established, biological parameters may be employed in addition to, or in lieu of behavioral parameters.

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